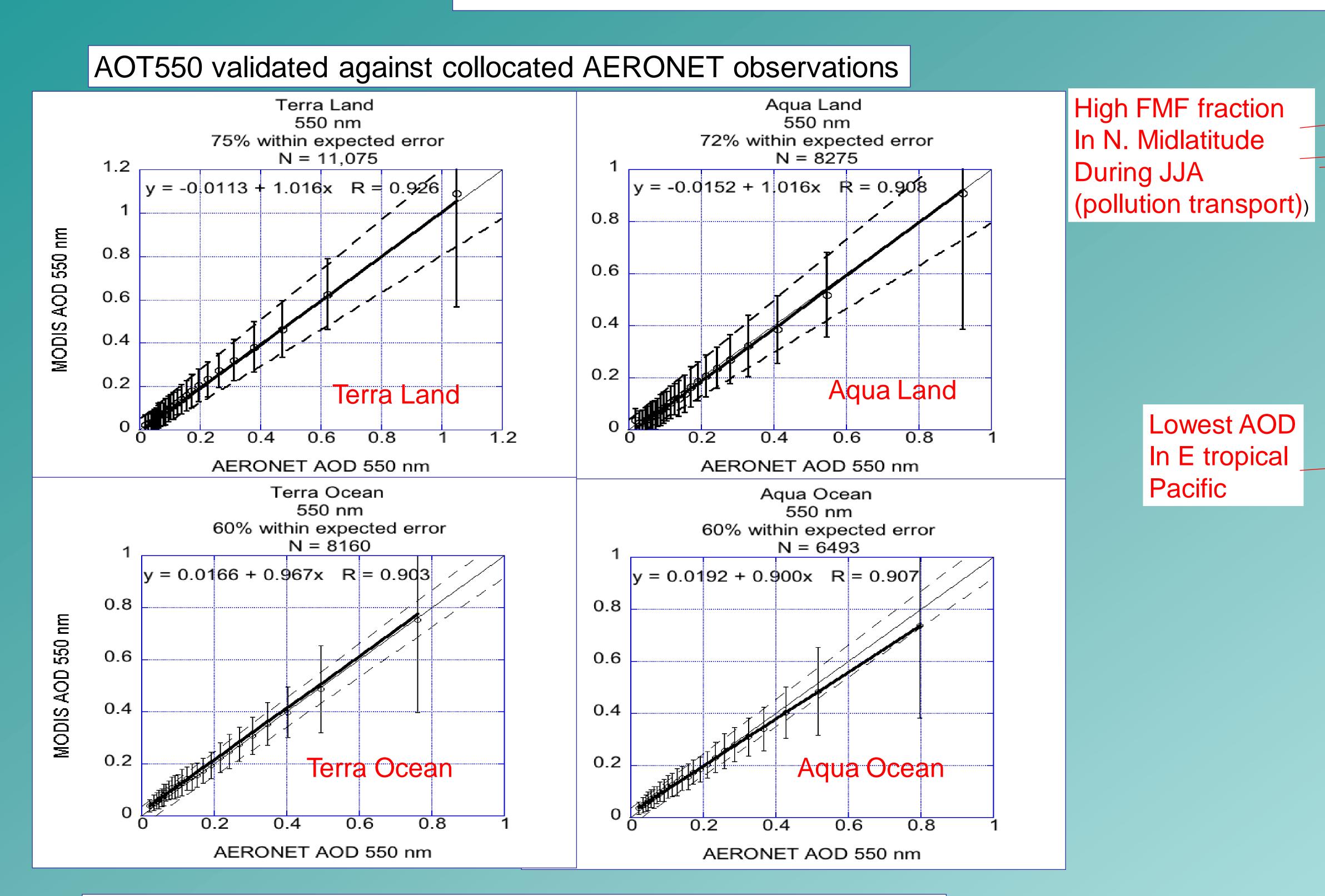
## The Collection 5 MODIS aerosol optical depth

In E tropical

Pacific

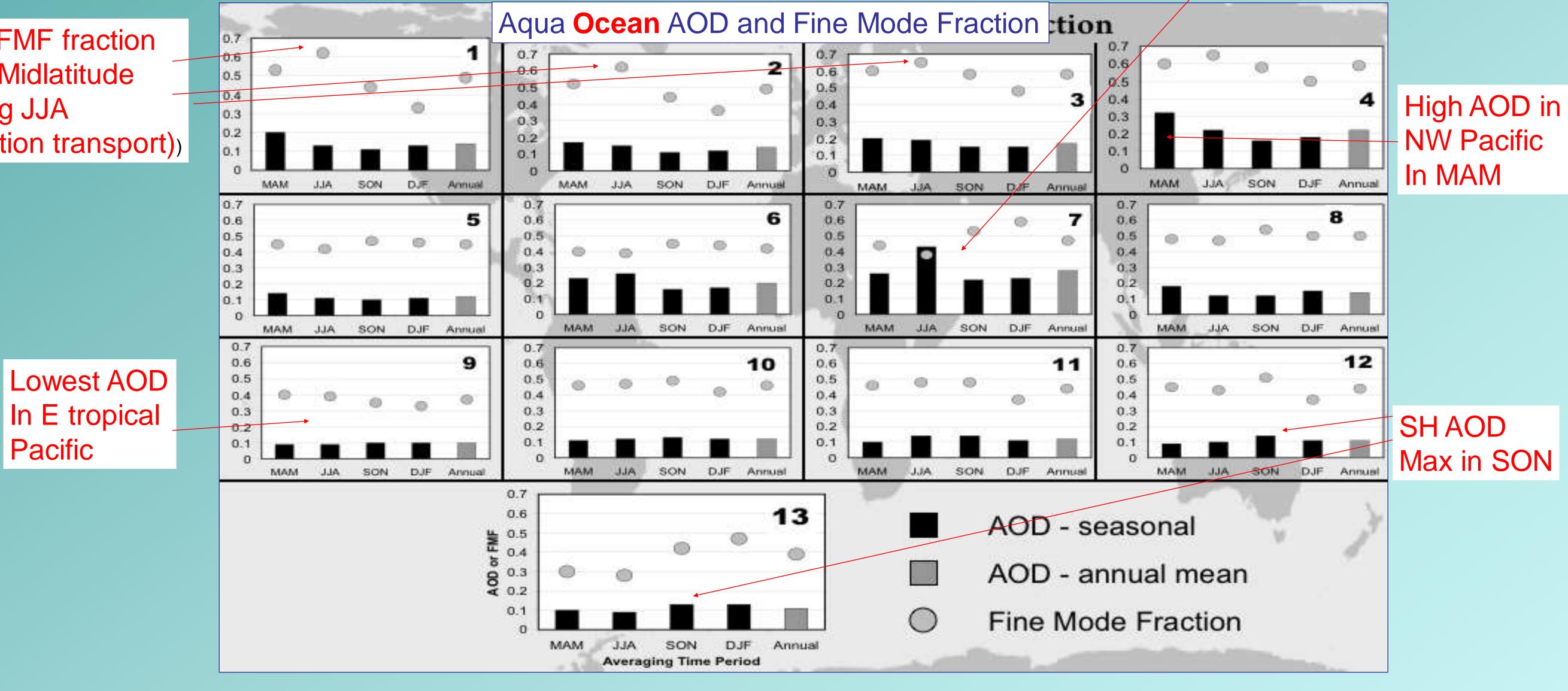
L.A.Remer, R.C. Levy, S. Mattoo, R.G. Kleidman, C. Ichoku and the entire MODIS aerosol team

Highest seasonal mean AOD in the Arabian Sea in JJA with Depressed FMF suggests dust



AOD 550 is meeting expectations over land and ocean, Aqua and Terra.

Land AOD product significantly better in Collection 5 than Collection 4.



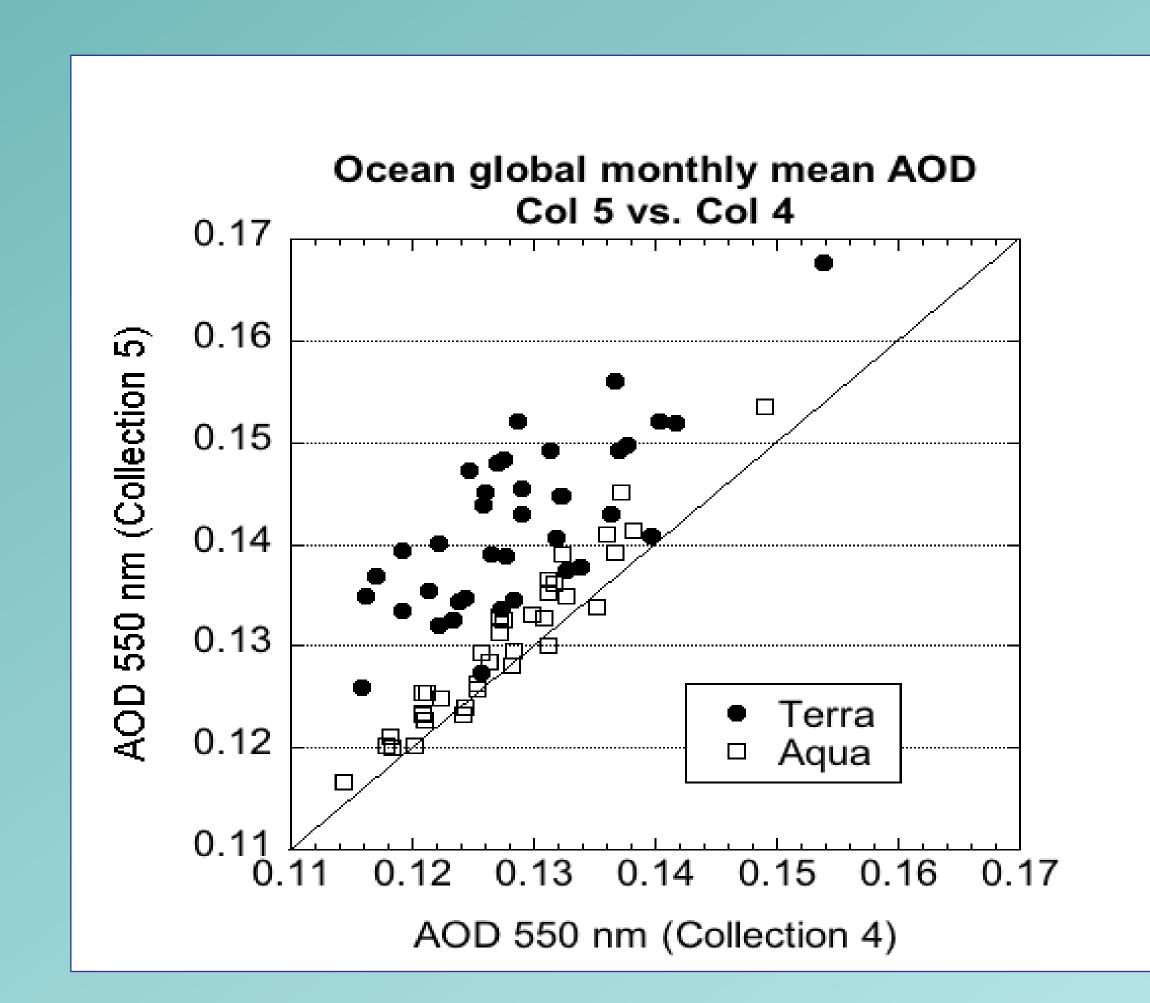
N. Africa, E. Asia have

S. Amer. biomass burning Central Amer biomass

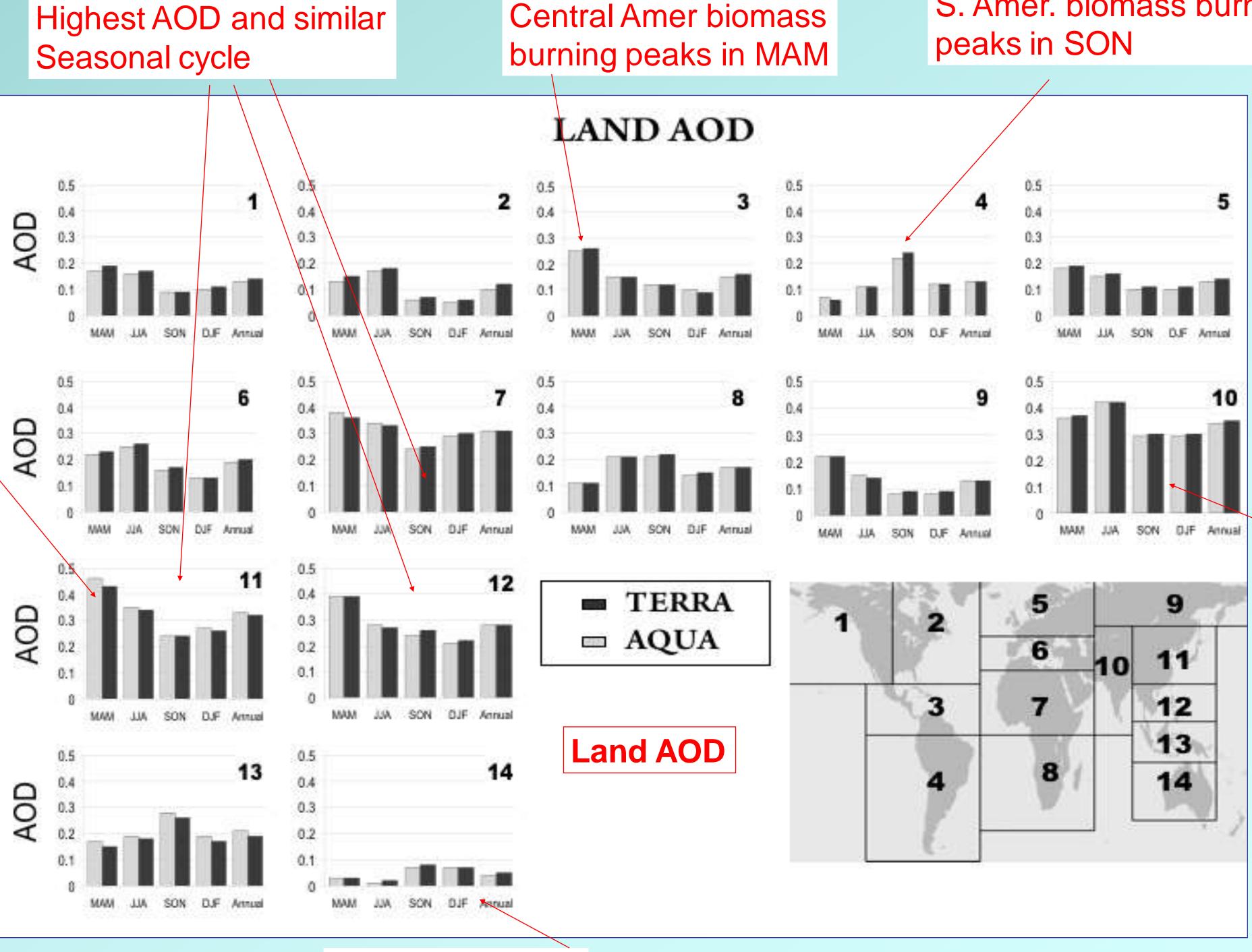
E.Asia has

high AOD

Highest land AOD In E. Asia in MAM



Over ocean, Aqua Collection 5 global and regional mean AODs are approximately the same as for Collection 4. However, for Terra mean AOD over ocean is now higher than it was for Collection 4. There is now a 0.015 offset between Terra and Aqua ocean retrievals, which is due to offsets in L1B reflectances between the two Instruments. We suspect the L1B offset follow from changes made to Collection 5 calibration coefficients.



Lowest land AOD

In Austral.